

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/071976 A1

(51) International Patent Classification⁷: **H04N 13/00**,
G02F 1/13357, G02B 27/22

(74) Agents: **YAMAMOTO, Shusaku** et al.; Fifteenth Floor,
Crystal Tower, 2-27, Shiromi 1-chome, Chuo-ku, Osaka-shi,
Osaka 5406015 (JP).

(21) International Application Number:
PCT/IB2005/050169

(22) International Filing Date: 14 January 2005 (14.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0401064.1 17 January 2004 (17.01.2004) GB

(71) Applicant (for all designated States except US): **SHARP
KABUSHIKI KAISHA** [JP/JP]; 22-22, Nagaikecho,
Abeno-ku, Osaka-shi, Osaka 5458522 (JP).

(72) Inventors; and

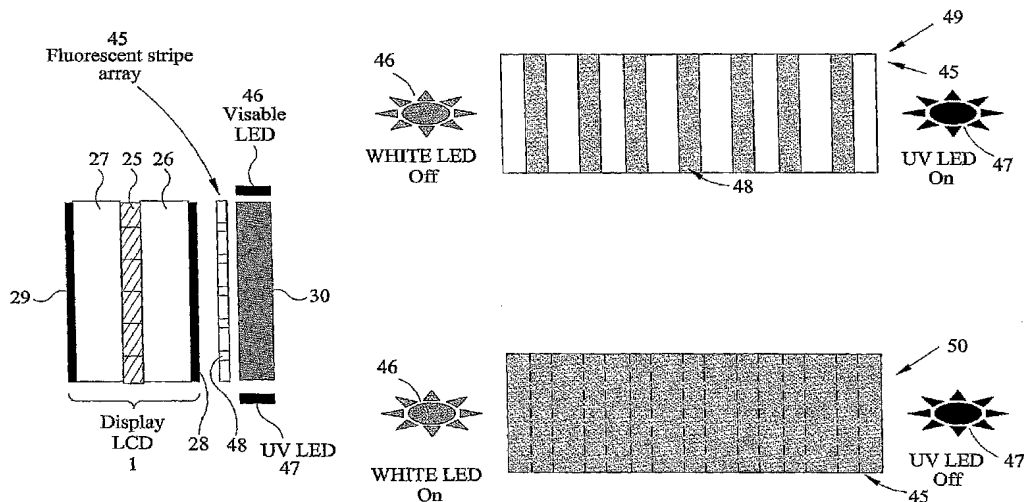
(75) Inventors/Applicants (for US only): **JACOBS, Adrian,
M., S.** [GB/GB]; 94 Herschel Crescent, Littlemore, Oxford
OX4 3TU (GB). **EVANS, Allan** [GB/GB]; 2 Gaisford
Road, Cowley, Oxford OX4 3LQ (GB). **BOURHILL,
Grant** [GB/GB]; 1 Mount Pleasant, Stow-on-the-Wold
GL54 1AL (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DISPLAY



(57) Abstract: A display comprises a backlight (30, 45-48) and a spatial light modulator (1) such as a liquid crystal device for modulating light from the backlight (30, 45-48). The backlight has a light-output surface (45) with a first set of regions in the form of parallel evenly spaced strips (48). In a multiple-view mode of the display, these strips (48) emit light whereas the remainder of the output surface (45) is dark. In a single-view mode of operation of the display, the whole of the output surface (45) emits light substantially evenly across the display area of the modulator (1).

WO 2005/071976 A1

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.